

13000 GeV pp

Z (Drell-Yan)

Nch (ATLAS UE in Z production)

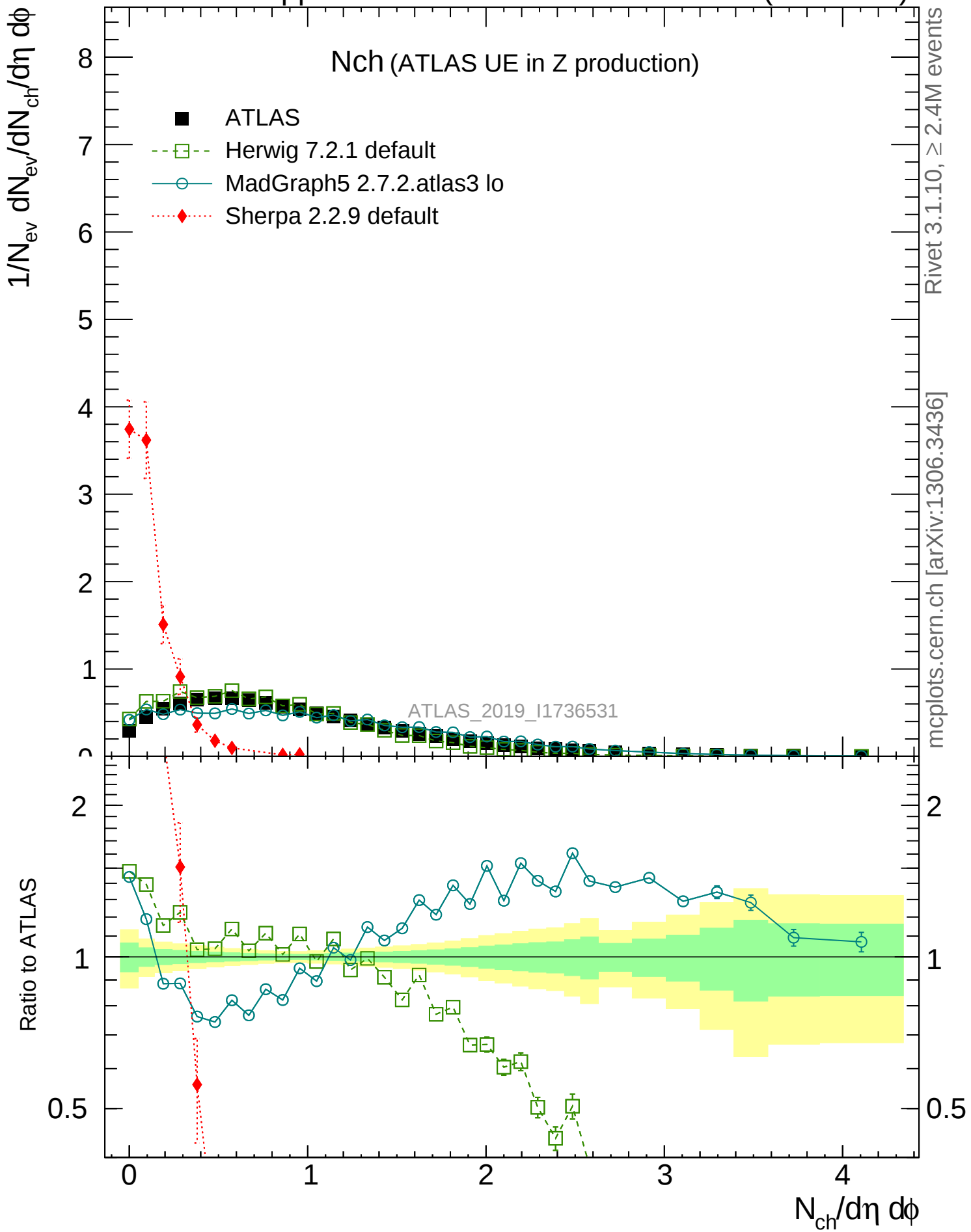
- ATLAS
- Herwig 7.2.1 default
- MadGraph5 2.7.2.atlas3 lo
- ...♦ Sherpa 2.2.9 default

Rivet 3.1.10, ≥ 2.4M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

Ratio to ATLAS

 $N_{\text{ch}}/d\eta d\phi$